

DERWENT-ACC-NO: 1985-089508
DERWENT-WEEK: 198515
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TITLE: Enzyme granules prodn. - by spraying powdered enzyme onto core material
is granulation pan together with binder material

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PRIORITY-DATA: 1983JP-0144377 (August 9, 1983)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
JP 60037984 A	February 27, 1985	N/A	004	N/A

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO	APPL-DATE
JP 60037984A	N/A	1983JP-0144377	August 9, 1983

INT-CL (IPC): A61K009/16; A61K037/48 ; C11D003/38 ; C12N009/98

ABSTRACTED-PUB-NO: JP 60037984A

BASIC-ABSTRACT: A core material is rotated in a granulation pan, an enzyme powder being sprayed with a binder soln. onto the material, while another core material is also sprayed onto the particles as required. The granules formed are dried, and then enlarged by repeating the same procedures.

The particle dia. of the core material, which forms the nucleus of the granule, is pref. 0.1-2 mm. The wt. ratio of the core material in (I) is pref. adjusted to 20-90 %. As the enzyme used, peptidase, carboxylic acid hydrolase, glycosidic hydrolase and isomerase are listed. The content of the enzyme in (I) is 5-75 %. Two or more enzymes may be simultaneously granulated in the same

(I). As the core materia., glucose, dextrin, zeolite, sodium chloride, etc. may be used.

ADVANTAGE - When an enzyme is used as a powder, it is dusty or has low fluidity. The method avoids these problems.

CHOSEN-DRAWING: Dwg.0/0

TITLE-TERMS:

ENZYME GRANULE PRODUCE SPRAY POWDER ENZYME CORE
MATERIAL GRANULE PAN BIND
MATERIAL

DERWENT-CLASS: B04 D16

CPI-CODES: B04-B02C; B12-M11; D05-A02;

CHEMICAL-CODES:

Chemical Indexing M1 *01*

Fragmentation Code

M423 M431 M720 M782 M903 N104 Q233 R032 V802 V814
V815 V817

Chemical Indexing M6 *02*

Fragmentation Code

M903 Q233 Q620 R032 R112 R303 R315 R527 R531 R538

SECONDARY-ACC-NO:

CPI Secondary Accession Numbers: C1985-038785